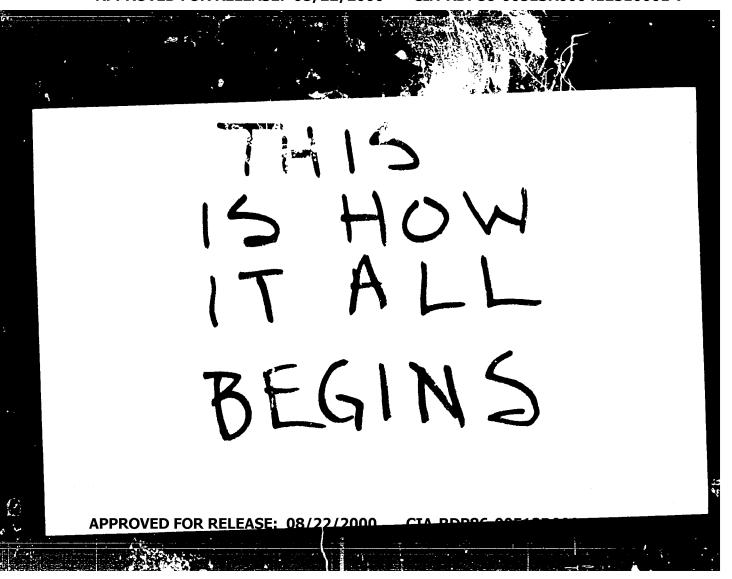
CIA-RDP86-00513R000412510001-7



CIA-RDP86-00513R000412510001-7

# REEL NUMBER 125 FROM FASTOVA, K.N.

CIA-RDP86-00513R000412510001-7

## PROCEED WITH CAUTION! THE RUSSIAN YOU FIND MAY BE A RELATIVE!!!

L 18225-63 EPA/EPF(c)/EWI(m)/BDS AEDC/AFFTC/ASD/APGC Pan-L/Pr-L MN
ACCESSION NR: AT3001862 S/2909/62/000/006/C082/0093

AUTHORS: Voinov, A. I.; Fastova, K. N.; Zaytsev, V. A.; Chernov, N. P.

TITLE: Investigation of the effect of antidetonation additives on the processes that precede detonation in an engine

SOURCE: AN SSSR, Institut dvigateley. Trudy, no. 6, 1962, 82-93

TOPIC TAGS: detonation, knock, antidetonation, antiknock, Fe, Cu, pentacarbonyl, dicyclopentadiene, dicyclopentadienyl, pre-ignition, self-ignition, cold flame, mixture, rich, lean

ABSTRACT: This paper describes an experimental investigation of the effects of various metal-organic antidetonation (antiknock) additives on the various stages of the pre-combustion process in an engine intended to determine the distinctive characteristics of the mechanism of their action. The test equipment and methodology are described, and the processing and evaluation of the test data are detailed. It is established that, for any given level of antiknock effectiveness, the various metal-organic compounds tested affect the other stages of the pre-combustion reaction differently. (a) Tetraethyl (TE) and "ferrocene" or iron dicyclopentadienyl (FC) do not exert any noticeable effect on the inception of the cold-flame

Card 1/3

L 18225-63

2/3

Card

ACCESSION: NR: AT3001862

oxidation and, basically, act only on the development of the second stage of the pre-combustion process by shifting the boundary of the self-ignition of the hot combustion toward the side of higher temperatures and pressures. (b) Iron pentacarbonyl [(FeCO<sub>5</sub>) (hereinafter: IP)] and [(C<sub>8</sub>H<sub>16</sub>)<sub>5</sub>Fe(CO<sub>5</sub>]<sub>3</sub> (hereinafter: IIP) inhibit sharply the initial stages of the pre-combustion reaction, shift the boundary of the formation of the cold flame toward higher temperatures and pressures, and reduce it in size so that in rich mixtures there is no region of coldflame oxidation at all. The entire character of the pre-combustion oxidation is altered: The hot-explosion region is shifted toward higher pressures and tempertures, with the minimums appearing in the temperature range of 760 to 8000K. (2) C10H16N2O2Cu (hereinafter: III) appears to be comewhat intermediate between TE and IP, namely, it delays the beginning of the cold-flame oxidation, but to a smaller degree than IP, and gives the hot-detonation boundary a form that is similar to that afforded by IP (with a pressure minimum for rich mixtures); however, the detonation boundary lies much lower than with IP and, for lean mixtures, it may even be lower than for pure gasoline. Enrichment of the mixture with IP leaves the detonation boundary virtually unchanged, whereas with pure gasoline and all other additives it is displaced toward lower pressures. The peculiarities of a metal-organic antiknock additive are not determined by the presence in it of a specific metal. TE and FC contain different metals, but act almost identically on

L 18225-63

ACCESSIÓN NR: AT3001862

the pre-ignition processes, whereas FC and carbonyl products of Fe (IP and IP) act distinctly differently. It is concluded that the self-ignition tendency of a fuelair mixture not only is not identical with its tendency toward detonation, but is not even single-valuedly related to it. Orig. art. has 6 figures.

ASSOCIATION: none

00 SUBMITTED:

DATE ACQ:

11Apr63

ENCL:

00

SUB CODE:

CH, PR, PH

NO REF SOV:

005

OTHER: 002

Card 3/3

FASTOVETS, F. N.

AID P - 721

Subject

USSR/Electricity

Card 1/1

Pub. 29 - 14/26

Author

Fastovets, F. N., Eng.

Title

A convenient placing of controlling push buttons

Periodical

9, 19-20, S 1954 : Energetik,

Abstract

The author briefly describes cases in which the accumulation of conducting dust causes self-switching of electric motors. He submits for discussion methods of eliminating

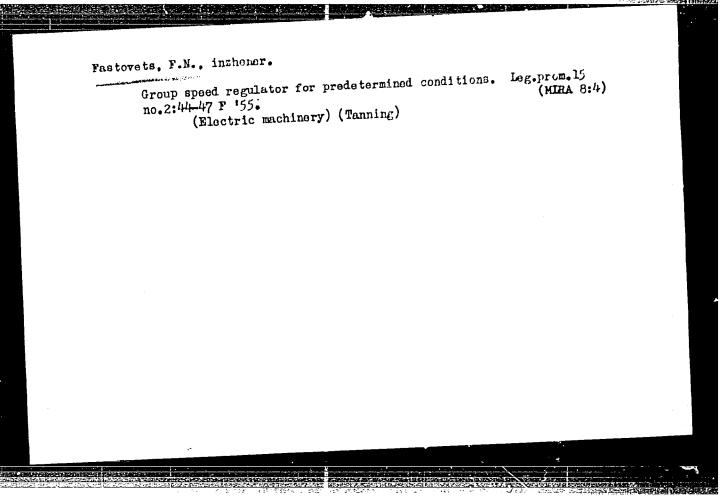
this possibility.

Institution:

None

Submitted : No date

CIA-RDP86-00513R000412510001-7



FASTOVETS, L. D.:

"Anatomical principles for isometry and anisometry."

Dnepropetrovsk State Medical Inst. Dnepropetrovsk,
1956. (DISSERTATION: FOR THE DECREE OF DOCTOR IN

MEDICAL SCIENCE).

Knizhnaya letopis
No. 15, 1956. Moscow.

SHIMARSKIY, N.K., kandabiologicheskikh mauk; LOCHAK, 1.F.; FALTOVETS, L.S.

Effect of fertilizers on the yield and oil content of sunflower seeds. Agrobiologia no.6: 249-253 N-D 'Gl. (RIRA 15:2)

1. Vecsoyuznyy selektsionno-geneticheskiy institut, Odessa.

(Sunflower seed)

KHRIPIN, A.G., inzh.; BRAGINSKIY, M.A., inzh.; EASTOVETS, O.S., inzh.;
KARPUKHIN, G.G., inzh.; TERESHCHENKO, F.P., inzh.; LIVYY, G.V.,
kand.tekhn.nauk

Drying of chrome leather under dynamic conditions. Izv.vys.
ucheb.zav.; tekh.leg.prom. no.6:67-76 '59.
(MIRA 13:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut kozhevennoobuvnoy promyshlonnosti (for Khripin, Braginskiy, Fratoveta,
Livyy, Karpukhin). 2. Kiyevskiy kozhevennyy kombinat (for
Toreshchenko).
(Leather--Drying)

KHRIPIN, A.G., inzh.; ERAGINSKIY, M.A., inzh.; FASTOVETS, O.S., inzh.;
KARPUKHIN, G.G., inzh.; TERESHCHENKO, F.P., inzh.; LIVYY,G.V., kand.
tekhn.nauk.

Drying of chrome leather in the dynamic state. Report No.2.

Izv. vys.ucheb.zav.; tekh.leg.prom. no.2:62-70 '60.

(MIRA 13:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut kozhevennoobuvnoy promyshlennosti (for Khripin, Braginskiy, Fastovets &
Karpukhin). 2. Kiyavskiy kozhevennyy kombinat (for Tereshchenko).
3. Ukrainskiy nauchno-issledovatel'skiy institut kozhevennoy
promyshlennosti (for Llvyy).

(Leather--Drying)

VOROB'YEVA, M.D., tekhnik; DUSHIN, B.M., inzh.; FASTOVETS, O.S., inzh.

New developments in the processing of split leather. Kozh.-obuv.
prom. 2 no. 12:32-33 D '60. (MIRA 14:1)

(Leather)

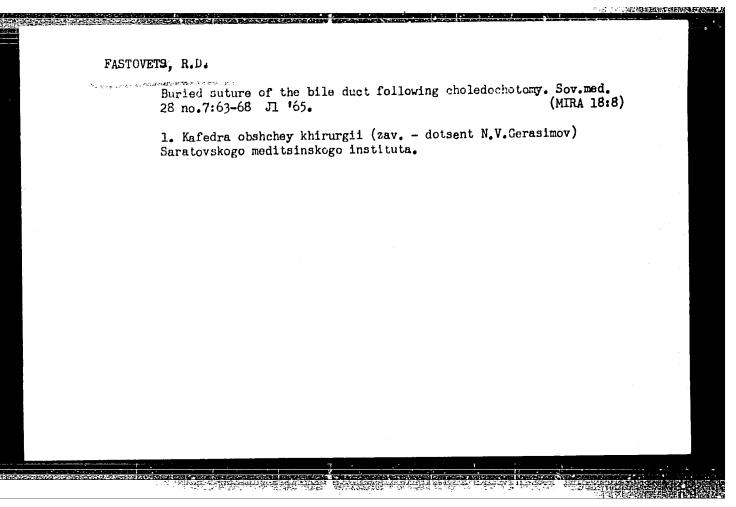
LIVYY. G.V., Kener. tokhn. nauk; ANNO 1. S. ... ... ... ... ... PRAGINSKIY, M.F., inzh.; KAREIREHH, G.G., Inzh.; FAIILLEID ..... Indr.; ABRAMERAYA, L.B., inzh.; EDZEZOVEKAYA, M.G., Inzh.; EDZEZOVEKAYA, M.G., Inzh.; Zhodad, T.F.; GORDNOVEKAYA, M.A.; SHAVZIN, A.T.; GERTSVOLIF, B.S.

Unit for dynamic drying of colors and 1. Report N.J. Nauch.-lead.tridy Ukr NIIKP no.15:50 days 1... (MIRA 18:2)

LIVYY, G.V., kand. tekhn. nauk; KAZARINA, N.N., inzh.; GIL'MAH, B.A., inzh.; FASTOVETS, O.S., inzh.; MOROZYUK, M.I., inzh.; LITVINOV, Sh.I., inzh.; SAGAYDACHNYY, V.G., inzh.; BALAYFV, Yn.V., inzh.; FITSA, A.S., inzh.

Manufacture of leather for lining and accessories from the face split of DOL type pigskins. Kozh.-otuv. prom. 7 no.6: 29-32 Je '65.

(MIPA 18:8)



FASTOVSKAYA, E. I.

"Characteristics of the Epidemiology of Malaria in Belorussian SSR During the War and in the First Postwar Years." Sub 29 Mar 51, Acad Med Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

## FASTOVSKAYA, E.I.

Scientific sessica of the Department of Hygiene, Microbiology and Epidemiology of the Academy of Medical Sciences of the USSR on sanitary and antiepidemic protection in the construction area of the Main Turkmen Canal. Mid.paras.i paraz.bol. no.2:186-189 My-Ap 153. (MLRA 6:6) (Main Turkmen Canal Region--Public health)

An account of a meeting at Astkhabad on 17-00 Nov 52, attended by \$5594 persons. The following subjects were discussed: malaria, dysentery, V.D. Timakov, the effects of a hot offerte, the danger of the introduction of spread of papatacci fever at the site of construction (P. 1. Petrison neva), the advisability and possible dange a of carrying of the cophylactic in cultations against leights dashed, measures for the complete of of one (1992, ixodes tides an flows, etc.

257T47

- 1. PASTUVSKAYA, E. I.
- 2. USSR (630)
- 4. Main Turksen Canal Region Malarial Fever
- 7. Role of the medical service personnel in the control of malaria on the Main Turkmen Canal, Fel'd. i akush., no. 4, 1953. ( 1 1 8)

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LYSENKO, A.Ya.; GOZODOVA, G.Ye.,; FASTOVSKAYA, E.I.; ZAL'NOVA, N.S.: CHURNOSOVA, A.A.

Seeking methods for radical chemical prevention and cure without recurrence of tertian malaria with short and long incubation periods. Report no.6: Results of an investigation of tolerance to the new antimalarial drug quinocid, Med. paraz. i paraz. bol. 24 no.2: 147-154 Ap-Je 155. (MLRA 8:10)

1. Iz sektora eksperimental'noy parazitologii Instituta malyarii meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta-Prof. P.G.Sergiysv, zav.sektorom prof. V.P.Pod"yapol'skeya) i Stalimabadskoy gorodskoy sanitrano-epidemiologicheskoy stantsii (glavnyy vrach stantsii Kh.V.Vakhidov)

(QUINOLINES, effects, aminoquinoline deriv.tolerance)

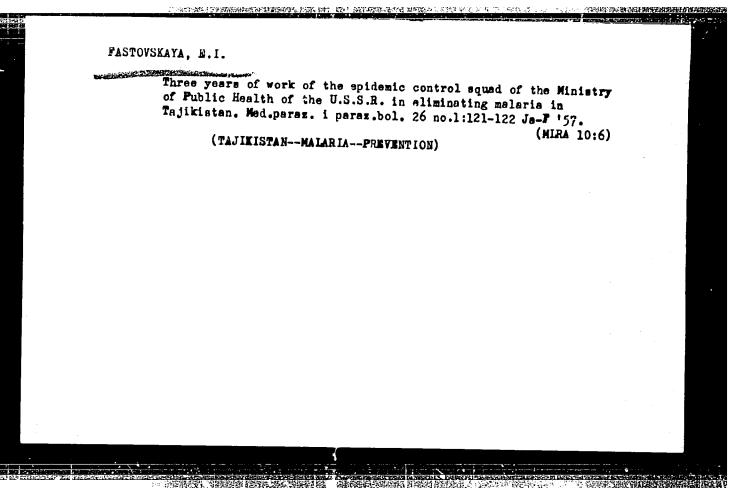
FASTOVSKAYA, E.I.; LYSENKO, A.Ya.; SHCHELKUNOVA, F.N.

THE CONTRACTOR OF THE PARTY OF

Investigations of methods of radical chemoprophylaxis and of complete cure of tertian malaria with short and long incubation periods. Report no.7: Results of using quinocide in the treatment of tertian malaria with various possibilities of reinfection. Med.paraz. i paraz. bol. 25 no.3:222-226 J1-S \*56. (MIRA 9:10)

1. Imotdeleniya epidemiologii malyarii i organizatsii bor'by s malyariey i drugimi parazitarnymi zabolevaniyami Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. inst. prof. P.G.Sergiyev, zav. otdelom - dotsent M.G.Rashina)

(ANTIMALARIAIS, therapeutic use, quinocide in tertian malaria (Rus))



。 1. "在中国主义的,我们是这种的政策的政策和政策的,但是是他的人,就是对于大学的人,就是是一个人,就是一个人,就是一个人,不是一个人,就是一个人,就是一个人,就

FASTCVSKAYA, E.I.; L'VOV, D.K.; LOPATIN, A.N.

Epidemiological data on tick-borne encephalitis in the construction zone of the Krasnoyarsk Hydroelectric Power Station. Med.parcis. i paras.hol. 27 no.1:14-20 Ja-F 158. (HIRA 11:4)

1. Iz otdeleniya epidemiologii i organizatsii bor'by s malyariyey i drugimi parasitarnymi sabolevaniyami Instituta malyarii meditsinskoy parasitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P.G.Sergiyev, zav. otdeleniyem M.G.Rashina) (ENCEPHALITIS, epidemiology tick-borne encephalitis in construction zone, statist. (Rus))

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

TO THE PROPERTY OF A THE A THE AUTHORITE THE PROPERTY AND THE PROPERTY OF THE

FASTOVSKAYA, E. I., CHURNOSOVA, A. A., SERGIYEV, P. G., STAVROSKAYAY, V. I. LYSENKO, A. L., BRAUSE, M. B., GLADKIKH, V. F., SHUKOVA, T. A., GAZODOVA, G. YE., ZAL'NOVA, N. S., MASHLOVSKIY, SH. D.

"Quinocide and the prospects of acceleration of the malaria eradication rate in the USSR."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

LYSENKO, A.Ya.; KAIMYKOV, Ye.S.; FASTOVSKAYA, E.I.; BERDYYEV, Kh.B.;
IVANENKO, A.K.; LYAPIN, P.D.

Principal results of three years' work for the extermination of malaria as a mass disease in the Tajik S.S.R. Sbor. rab. po mal. i gel'min. no.2:5-19 '59. (MIRA 15:3)

(TAJIKISTAN-MALARIA)

FASTOVSKAYA, E.I.; IVANENKO, A.K.

Comparative evaluation of various methods for the detection of persons sick with malaria in Tajikistan. Sbor. rab. po mal. i gel'min. no.2:21-24 '59. (MIRA 15:3) (TAJIKISTAN-MALARIA) (MEDICAL SCREENING)

THE STREET AND THE SECOND PROPERTY OF THE SEC

### FASTOVSKAYA, E.I.

Results of three years work in cloaring up malaria centers in the mountain river zone of the Gissar Range Region.

Shor. rab. po mal. i gel'min. no.2:25-31 '59. (MIRA 15:3)

(GISSAR RANGE REGION—MALARIA)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

Results of the restriction of DDT spraying to villages in malaria control within the border region of southern Tajikistan (Kirovabad District). Sbor. rab. po mal. i gel'min. no.2:49-56 \* 59.

(KIROVABAD DISTRICT—MALARIA)

(DDT (INSECTICIDE))

BABENKO, L.V.; BUYANOVA, O.F.; KELLINA, O.I.; LEYKINA, Ye.S.; RAZUMOVA, Ye.P.; FASTOVSKAYA, B.I.; CHALAYA, L.Ye.; SHIPITSINA, N.K.

All-Union Conference on the Control of Parasitic Diseases.

Med.paraz. i paraz.bol. 28 no.3:36/-373 My-Je 159.

(MIRA 12:9)

(PARASITOLOGY--CONGRESSES)

### FASTOVSKAYA, E. I.

Method for an epidemiological study of pseudofocal tick-borne encephalitis. Med. paraz. i paraz. bol. no.4:401-406 '61. (MIRA 14:12)

1. Iz otdela epidemiologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye. I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. - instituta - prof. P. G. Sersiyev, zav. otdelom M. G. Rashina)

(ENCEPHALITIS)

FASTOVSKAYA, E.I. (Moskva)

Prevention of tick-borne encephalitis. Fel'd. i akush. 26 no.9:
42-45 S '61.
(ENCEPHALITIS) (TICKS AS CARRIESS OF DISEASE)

FASTOVSKAYA, E.I.; NIKIFOROV, L.P.; NAUMOV, R.L.

Influence of the terrain on tick-borne encephalitis morbidity in Krasnoyarsk Territory. Med. paraz. i paraz. bol. 32 no.3: 280-283 My-Je\*63 (MIRA 17:2)

。 1987年,1988年,1988年,1988年,1988年,1988年 1988年 19

l. Iz epidemiologicheskogo otdela (zav. - prof. N.N. Dukhanina) i entomologicheskogo otdela (ispolnyayushchiy obyazannosti zaveduyushchego - prof. V.P. Derbeneva-Ukhova) Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo (dir. - prof. P.G. Sergiyev) Ministerstva zdravockhraneniya SSSR.

massagad nas franciscust in the spirit in the street in the second

BULANZHE, I.N., kard.khimicheskikh nauk,dotsent; PRININALA UCHASTIYE: Fastovskeya;

Studying the properties of phosphate and sulfide films obtained with the method of cold parkerizing and sulfidization of the surfaces of steel parts. Izv.vys.ucheb.zav.; tekh.leg.prom. no.l: 127-133 '62. (MIRA 15:2)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy obshchey i analiticheskoy khimii. (Protective coatings—Testing)

DUBOVYY, Ye. D., prof.; OKS, A. A., prof; BUCHINSKAYA, M. P.; VORONENKO, T. V.; DEMIDAS, V. V.; FASTOVSKAYA, R. M. (Odessa)

Treatment of thyrotoxicosis with radioactive iodine. Probl. endok. i gorm. no.6:50-56 '61. (MIRA 14:12)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. Ye. D. Dubovyy) i kafedry fakul'tetskoy u gospital'noy terapii (zav. - prof. A. A. Oks) Odesskogo meditsinskogo instituta (dir. - zasluzhennyy deyatel' nauki prof. I. Ya. Deyneka)

(IODINE\_ISOTOPES) (THYROID GLAND\_DISEASES)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

SKVORTSOVA, L.I.; KRAKHMAL'NIKOVA, G.Kh.; FASTOVSKAYA, R.M.

THE REPORT OF THE PROPERTY OF

Shereshevskii's syndrome observed in patients with toxoplasmosis.

Probl. endok. i gorm. 10 no.6:60-61 N-D '64. (MIRA 18:7)

1. Kafedra infektsionnykh bolezney (zav. - prof. L.K.Korovitskiy). kafedra akusherstva i ginekologii lechebnogo fakul'teta (zav. - prof. A.I.Malinin), kafedra gospital'noy terapii pediatricheskogo i stomatologicheskogo fakul'tetov (zav. - prof. A.A.Ors) Odesakogo meditsinskogo instituta imeni Pirogova i l-ya Odesakaya gorodskaya infektsionnaya bol'nitsa (glavnyy vrach L.T. Zhidovlenko).

。 1.4. 是我们是自己的情况的是他们的是一种,还可以在我们的是一个,可以他们的是一种的人的人,但是一种的人的人的人的人,他们就是一种的人的人的人,这一个人,也可以

## FASTYKOVSKAYA, Ye.D. Mammography in the diagnosis of breast cancer. Vop.onk. 7 no.12:47-51 '61. (MIRA 15:1)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. A.I. Dombrovskiy). Adres avtora: Novo-Kuznetsk, Kemerovskoy obl., Gosudarstvennyy institut dlya usovershenstvovaniya vrachey.

(EREAST-CANCER) (EREAST-RADIOCRAPHY)

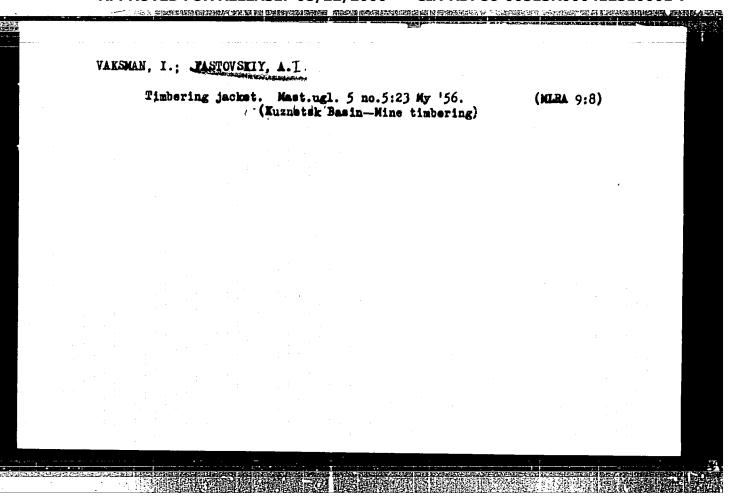
APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

· 中国的一种主义,在1985年,1985年

NIKIFOROV, L.P.; FASTOVSKAYA, Y.I.; LVOV, D.K.; BEKIEMISHEV, V.N. [deceased]

Quantitative indicators in the epizootology and epidemiology of tick-borne encephalitis. J. Lyg. epidem. (Preha) 8 no.2:221-228 164.

1. Martsinovsky Institute of Medical Parasitology and Tropical Medicine, Ministry of Health of the U.S.S.R., Moscow.

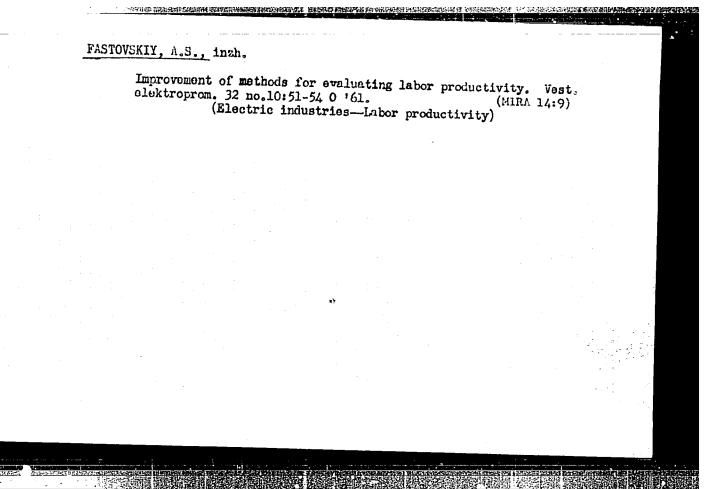


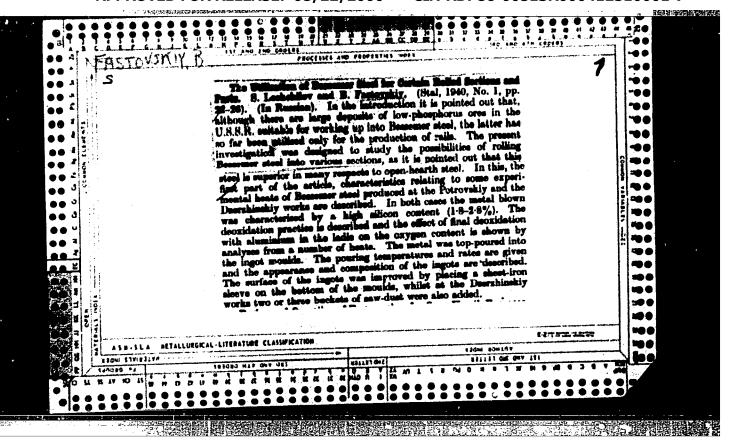
FASTOVSKIY, A.I., insh.; TERESHCHENKO, P.M., insh.

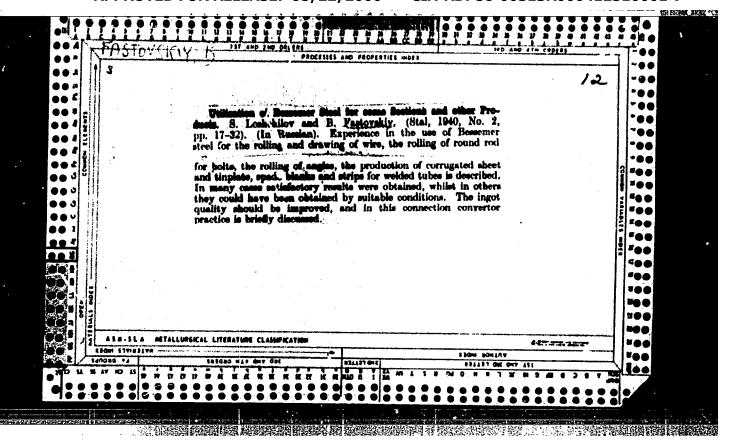
Using embedded anchor bolts. Shakht.stroi. no.10:26-27 0 '57.
(MIRA 10:12)
(Kusnetsk Basin--Mine roof bolting)

## In the Technical and Economic Council. Tekh.-ekon.biul. no.1/2: 56-58 Ja-F '59. (MIRA 12:4) (Kusnetsk Rasin--Economic Councils)

TAS /	Vessivor, P. S., Yu. A. Oaydukor, S. Ye. Kamaltes? [Chief, V. O. Landeronin, Q. A. Pishchulin, [L.N. Saverin] A.S. Toleryhi, and Landeronin, Q. A. Pishchulin, [L.N. Saverin] A.S. Toleryhi, and Last processing reports in the construction of the co	sh and Clock Plant	<b>,</b>	
		·		 







FASTOVSKIT, B.G., kandidat tekhnicheskikh nauk.

Beenemical relled shapes for industry and constructions. Stall 16 me.3:
(NIRA 9:7)

1.TSentral'myy nauchne-issledevatel'skiy institut cherney metallurgii.
(Relling (Metalwerk)) (Steel, Structural)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

CHIZHIKOV, Yuriy Mikhaylovich, FASTOVSKIY, B.G., red.; GOLYATKINA, A.G., red.izd-va.; BEKKER, O.G., tekhn.red.

[Rolling mill practice] Prokatnoe proizvodstvo. Isd. 2., perer.
i dop. Moskva, Gos. nauchno-tekha. izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1958. 612 p.
(Rolling mills)
(Rolling mills)

PANASENKO, Fedor Lavrent'yevich; FASTOVSKIY, B.G., red.; COHDON, L.M., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Rolling and heat treatment of thick sheets] Prokatka i termicheskaia obrabotka toletykh listov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 152 p. (MIRA 12:2)

(Rolling (Metalwork)) (Sheet steel--Heat treatment)

HI.	ASTOVSKIY, B.G.	
	Economical shapes for rolled products. Metallurg 5 no.2: 23-25 F '60. (MIRA 13:5)	
	1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metailurgii.	
	(Rolling(Metalwork))	:
	<del>-</del>	
	•	
į.		

FASTOVSKIY, B.G., kand. tekhn. nauk

Specialization of rolling mills. Stal' 21 no. 1:79-81 Ja '61.
(MIRA 14:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metal-lurgii.

(Rolling mills)

### FASTOVSKIY, B.G.; FUNDE, A.N.

Manufacture and use of economical hot-rolled sections.
Metallurg 7 no.8:19-23 Ag '62. (MIRA 15:9)

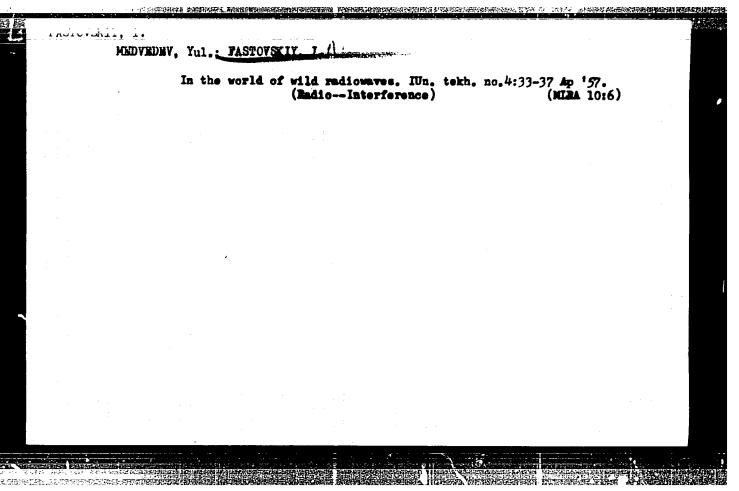
FASTOVSKIY, B.G., kand.tekhn.nauk

Prospects for the production of hot-rolled economical sections.

Stal' 23 no.5:435-438 My '63. (MIRA 16:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

(Rolling (Metalwork))



FASTOUSKIY, Laya Abramovich; LYUSTIEERG, V.F., imsh., ved. red.;
EL'KIN, A.Yu., insh., red.; PONOMAREV, V.A., tekhn. red.

[AP-28 interference analyser]Analisator pomekh AP-28. Moskva,
Filial Vses. in-ta mauchn. i tekhn. informatail, 1958. 21 p.

(Peredovoi nauchno-tekhnicheskii i proisvodstvennyi opyt. Tema
36. No.P-58-101/14)

(Radio measurements) (Interferometer)

(MIRA 16:3)

FASTOVSKIY, Izya Abramovich; FURMANOV, Il'ya Mikhaylovich; SHTEYNBOK, G.Yu., inzh., ved. red.; SOSNOVSKIY, A.A., inzh., red.; FONOMAREV, V.A., tekhn. red.

[Specialized radio interference measuring devices]Spetsial'nye izmeriteli radiopomekh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 45 p. (Peredovoi nauchmo-tekhnicheski i pro-izvodstvennyi opyt. Tema 36. No.P-58-21/6) (MIRA 16:3) (Radio measurements) (Radio—Interference) (Interferometer)

6(4)

PHASE I BOOK EXPLOITATION

SOV/2529

Fastovskiy, Izya Abramovich and Il'ya Mikhaylovich Furmanov

Poisk istochnikov industrial nykh radiopomekh i ikh issledovaniye (Detection and Investigation of Industrial Sources of Radio Interference) Leningrad, Sudpromgiz, 1959. 60 p. 26,200 copies printed.

Resp. Ed.: A. Ye. Vorontsov; Ed.: B. I. Leonova; Tech. Ed.: L. M. Shishkova.

PURPOSE: This booklet is intended for engineers and technicians concerned with industrial radio interference.

COVERAGE: The authors discuss the purpose, fields of application, characteristics and methods of operation of special devices for analyzing radio interferences. They describe a radio interference detector, a television interference meter, special instrument generators, a spectrum analyzer and probability distribution analyzers. No personalities are mentioned. There are 6 references: 5 Soviet and 1 German.

TABLE OF CONTENTS:

Introduction

Card 1/3

Detection and Investigation (Cont.)	SOV/2529	
Ch. I. Detection of Sources of Radio Interference	3	
1. ISP-24 radio interference detector	3 <sub>.</sub> 3 9	
2. Methods of detecting sources of radio interference	9	
Ch. II. Measurement of Television Interferences	ii	
3. Measurement of television interference	ii	
4. IP-22T television interference meter	13	
5. Procedure for operating the IP-22T meter	19	
Ch. III. Generators for Analyzing Radio Interferences	21	
<ol><li>Transfer-coefficient measuring instrument and its appli</li></ol>	cation 21	
7. IPSh meter for noise-increase measurement and method of	operation 25	
Ch. IV. Analysis of Radio Interference Spectra	31	
8. IP-20 spectral interferometer	21	
9. Observation and measurement of radio interference spect	ra 40	
Ch. V. Analysis of the Nature of Radio Interferences	19	
10. Interference probability distribution	43	
	45	
Card 2/3		

PHASE I BOOK EXPLOITATION

TO SEE THE STATE OF THE PROPERTY OF THE PROPERTY OF THE SEE STATE OF THE SECOND OF THE

SOV/2240

9(6)

Fastovskiy, Izya Abramovick and Il'ya Mikhaylovich Furmanov

Tipovyve pribory dlya izmereniya industrial'nykh radiopomekh (Standard Instruments for Measuring Industrial Radio Interferences) Leningrad, Sudpromgiz, 1959. 119 p. 41,200 cepies printed.

Resp. Ed.: A. Ye. Vorontsev; Ed.: D. P. Smirnova; Tech. Ed.: L. M. Shishkova.

PURPOSE: This booklet is intended for electrical and radio engineers dealing with problems of suppression of radio interferences.

COVERAGE: The authors describe electrical circuits and standard interference meters used for determining the intensity of radio interferences. They discuss basic characteristics of interference-measuring devices. They also explain methods of measuring voltages and interference levels. The also explain methods of measuring voltages and interference levels. The also explain methods problems of calibration and of checking the accuracy authors also discuss problems of calibration and of checking the accuracy of interference. Meters used in the frequency range between 0.15 and 1000 mo of interference. Meters used in the frequency range between 0.15 and 1000 mo of interference meters used in the frequency range between 0.15 and 1000 mo of interference their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. Devices discussed in this booklet were and present their characteristics. There are 13 references:

APPROVED FOR RELEASE: 08/22/2000 CI

CIA-RDP86-00513R000412510001-7"

tand	ard Instruments (Cont.)	
_	SOV/2240	
	Measurement of interference voltages at the terminals of interference sources	
4.	Shielded chambers	48
5.	Errors during measurement of pulse interferences	51
6.	Various measurements made by manne of chart live	52
	Various measurements made by means of standard interference meters	53
h. II	I. Interference Simulators and Methods of Checking the Parameters of Interference Meters	
1.	Contact interference generator	57
2.	Generator of a constant-density spectrum	57
		65
. IV	Characteristics of Interference Meters	
4.	1P-13M interference meter	69
2.	IP-12M and IP-25 interference meters	69
J.	1P-14 and 1P-26 interference meta-	71
₹.	ir-id interference meter	74
5.	IP-21 interference meter	76
		79
ble o	of basic characteristics of standard radio interference meters	82
pendi	xes	
ATT AD	TE- 111	84
WITWE	LE: Library of Congress	JP/1sb
rd 3/		10-9-59

88221

S/110/60/000/010/010/014 E041/E455

6.9460

Fastovskiv I.A., Engineer

AUTHOR:

The Method of Measuring and Testing the Basic Parameters

of Noise Meters

PERIODICAL: Vestnik elektropromyshlennosti, 1960, No.10, pp.55-57

TEXT: In meters for measuring radio noise, four parameters are of interest: the charge time  $\tau_{\mathbf{Z}}$ , the discharge time  $\tau_{\mathbf{r}}$ , the ballistic time constant of the indicator  $\tau_{\mathbf{T}}$  and the pulse characteristic K(F). The measurement of  $\tau_{\mathbf{W}}$  is best carried out in the following way. A pulse of amplitude I and duration  $\delta$  is abelied to the circuit. The deviation  $\alpha$  of the instrument is noter.  $\tau_{\mathbf{W}}$  may be calculated from the value of  $\sigma_{\mathbf{M}}$  as given by

$$\alpha_{\text{max}} = 0.354 \frac{\delta}{\tau_{\text{Tf}}} \alpha_{\text{M}}$$
 (1)

The recommended circuit for this measurement (that of Engineer A,G.Yakovlev) is given.  $\tau_Z$  may be measured by the usual method Card 1/2

### 88221

TO STATE OF THE PROPERTY OF TH

S/110/60/000/010/010/014 E041/E455

The Method of Measuring and Testing the Basic Parameters of Noise Meters

of evaluating the time required for a function to reach 63.2% of its maximum value; a suitable circuit is given. The same method may also be used for measuring  $\tau_r$ . The pulse characteristic may be taken by using the conventional arrangement in which a variable pulse repetition frequency is supplied to the meter and its indication noted. There are 6 figures.

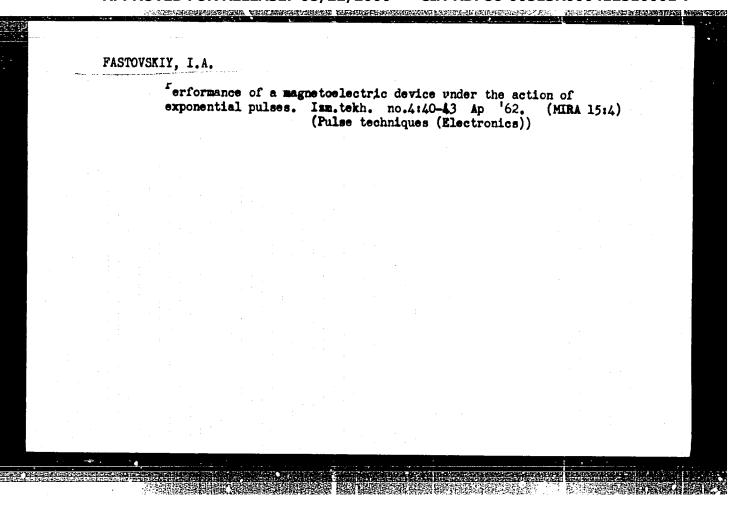
SUBMITTED: February 15, 1960

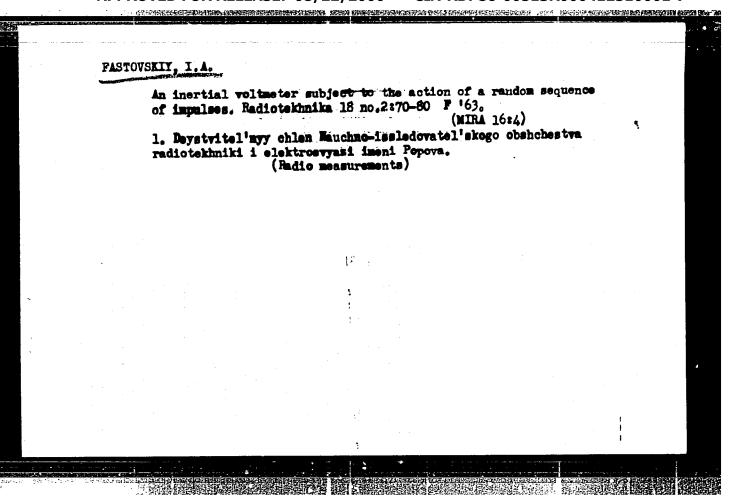
Card 2/2

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

# FASTOVSKIY, I.A. Operation of an inertial detector in the presence of impulses with complex shapes. Radiotekhnika 16 no.5:51-59 My '61. (MIRA 14:6) 1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosyvazi. (Radio detectors)

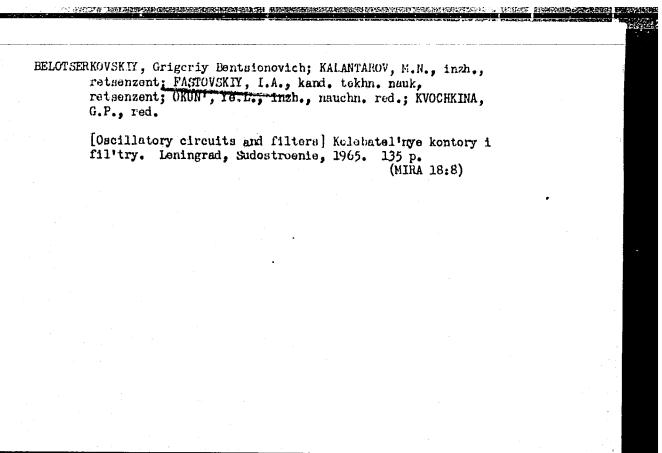
APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"





FASTOVSKIY, Izya Abramovich; KNELLER, I.A., otv. red.; TSEYTLIN, F.G., red.

[Radio interference measuring apparatus] Apparatura dlia izmereniia radiopomekh; informatsionnyi sbornik. Moskva, Sviaz', 1965. 56 p. (MIRA 18:5)



FASTOVSKIY, I., kand.tekhn.nauk

New developments in radio interference measuring techniques.
Radio no.10:30-31 0 '65.

(MIRA 18:12)

42137

S/203/62/002/002/013/017 1046/1236

9.6130

AUTHORS: Nalivayko, V.I., Tyurmin, A.V. and Fastovskiy, U.V.

TITLE: Field proton magnetometer TT M-5 (PM-5)

PERIODICAL: Geomagnetism i aeronomiya, v.2, no. 2, 1962, 343-347

TITLE: The signal/noise ratio on the output of the new two-cycle paraphase amplifying circuit (see diagram) is 25:1 for a noise level that is approximately equal to the signal at the input; the total amplification factor K=40,000; the transmission band  $\triangle F_{0.7}^{-}=150$  cycles; wider range can be obtained by simple replacement of capacitors. The total error in measurements for 60,000  $\gamma$  fields ( $\gamma$  the gyromagnetic ratio of the proton) is  $\triangle$  T/T = 4.08.10<sup>-3</sup>/ $\gamma$ , or  $\pm 2.5$   $\gamma$ . General principles of the proton magnetometer operation are cited after Packard and Varian (Ref.1: M. Packard, R. Varian. Phys. Rev., 1954, 93, 941). There are 4 figures.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR (Institute of the Terrestrial Magnetism, the Ionosphere and Propagation of Radiowaves AS bJSR)

SUBMITTED:

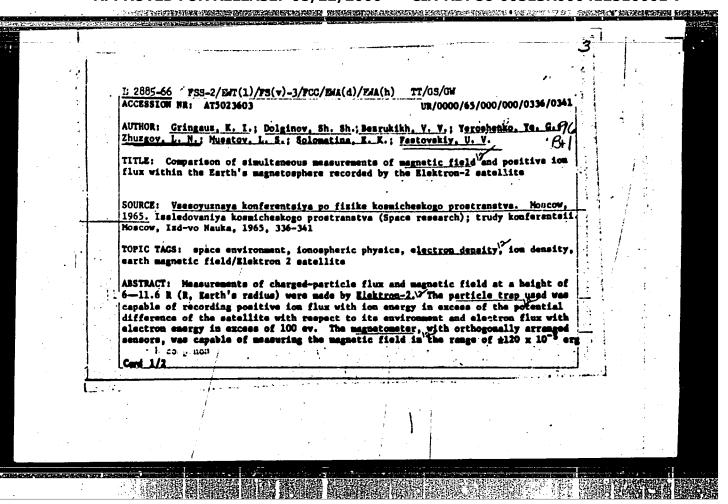
January 16, 1962

Card 1/1

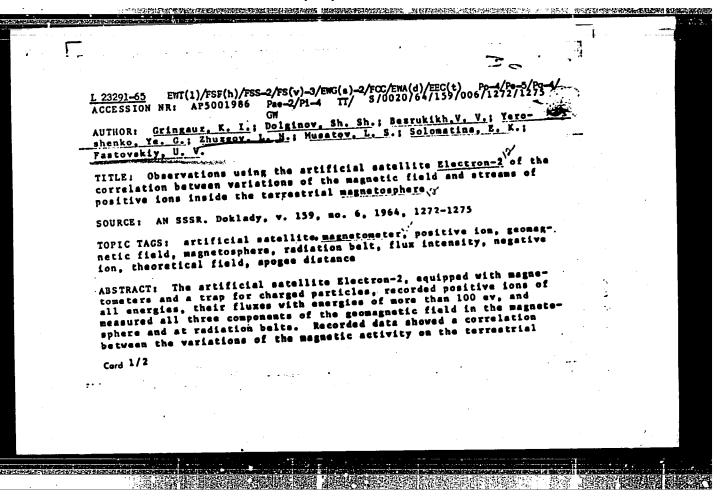
YEROSHENKO, Ye. G.; DOLGINOV, Sh. Sh.; ZHUZGOV, L. N.; FASTYOVSKIY, U. V.; ALEKSANYAN, L. M.

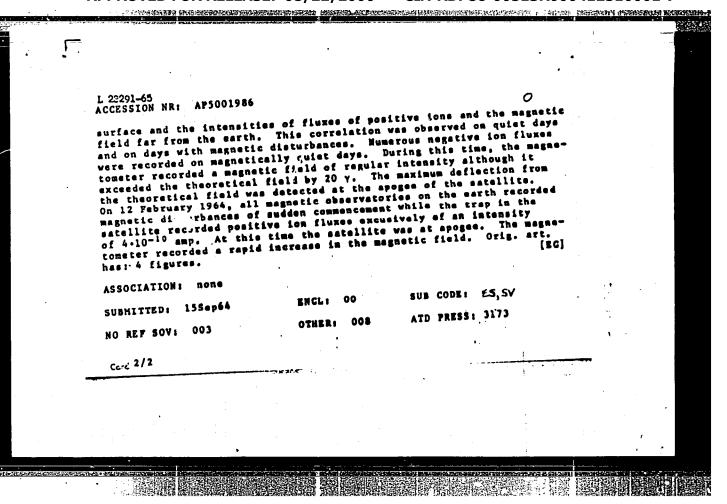
"Magnetic Investigations on the Electron 2 Satellite."

report presented at the 5th Intl Symp on Space Science, Florence, Italy, 12-16 May 64.



	L 2885-66 ACCESSION NR: AT5023603	0	1
	in each component direction. Its threshold was 2 x 10 <sup>-5</sup> erg urements, when compared with solar activity data in the form via ground observatories, show inconsistencies in the correlation of magnetic activity on the Earth's surface and the valuation field intensity and charged particle flux as measured is uncertain whether these observations can be explained by the magnetosphere or by mear-earth plasma due to charged particle flux as measured.	n of K, indexes recorded lation between the vari- striction of the geomeg- by the satellite. It the solar wind penetrating	
	yet unknown mechanism. Orig. art. has: 6 figures. ASSOCIATION: mome SUBMITTED: 02Sep65 MO REF SOV: 003	SUB COOR: ES,57	
•			

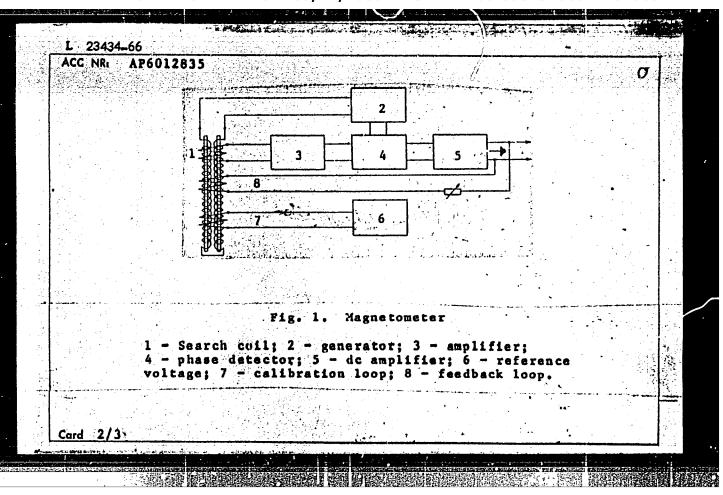




THE PROPERTY OF THE PROPERTY O

23434-66 FSS-2/EWT(1)/FCC TT/GW AP6012835 SOURCE CODE: UR/0293/66/004/002/0302/0310 ACC NRI 44 AUTHOR: Aleksanyan, L. M.; Yeroshenko, Ye. G.; Zhuzgov, L. N.; 38 Fastovskiv. U. V. ORG: none TITLE: Magnatometric apparatus of the Electron-2 space station SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 2, 1966, 302-310 TOPIC TAGS: magnetometer, magnetic field measurement ABSTRACT: Two search-coil magnetometers capable of independently measuring three components of the magnetic field in the outer radiation belt were mounted on Electron-2. One had a measurement range of \*120 y, and the other, a range of \*1200 y. A block diagram of the basic magnetometer is shown in the figure. It consists of a 2-kc signal generator with associated low-pass filter for suppressing the second harmonic, a tuned amplifier (voltage gain, 12 x 103, bandwidth at 3 db, \*100 cps) tuned to the second harmonic with associated input filter to attenuate the first and third harmonics by 40 db, a synchronous phase detector, and a d-c current amplifier (gain, 20). Two telemetry channels are utilized for each magnetic-field coordinate, one channel for positive values and the other for negative values. A diode gate Card 1/3

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7



6

23434-66

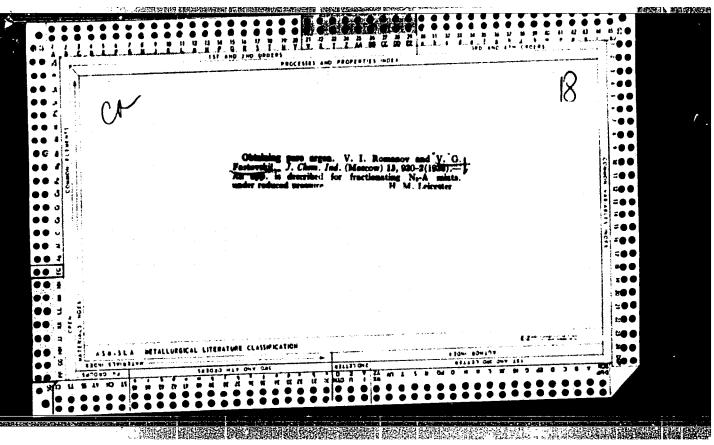
ACC NR: AP6012835

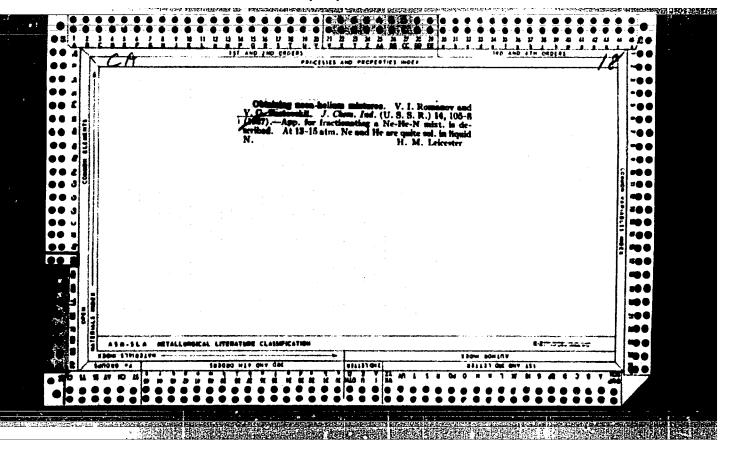
in the d-c amplifier unit diverts the information to the appropriate channel. The inclusion of a heavy voltage feedback confines the magnetometer nonlinearity to 2-3%. The sensitivities of two magnetometers are 2-3 y and 20-30 y; the temperature stability measured at -3C, +18C, and +55C did not exceed 0.2 y/C for the first and 0.7 Y/C for the second. A special unit for sensitivity calibration with the use of a reference voltage source is also included. The average error in measuring the scalar magnetic field was ±4 y and 240 γ. The zero drift did not exceed 2-3 γ per day. The 14-v power supply for the magnetometers was stabilized by a P203 transistor and a D811 Zener diode. All other transistors used were the P103 type. Power consumption for each magnetometer was 2.2 w. "In conclusion, the authors are indebted to A. V. Klimovskiy, A. I. Konnov, Ye. Ye. Kanonidi, L. I. Ulanov, V. M. Agafonnikov, and V. G. Ryzhov for their active participation during the manufacturing, calibration, and testing of equipment." Orig. art. has: 1 formula and 4 figures.

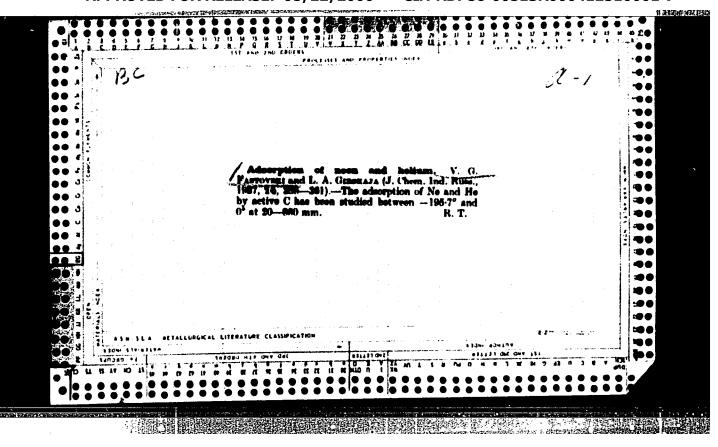
SUB CODE: 09, 17/ SUBM DATE: 05Jun64/ ORIG REF: 003/ ATD PRESS: 4236

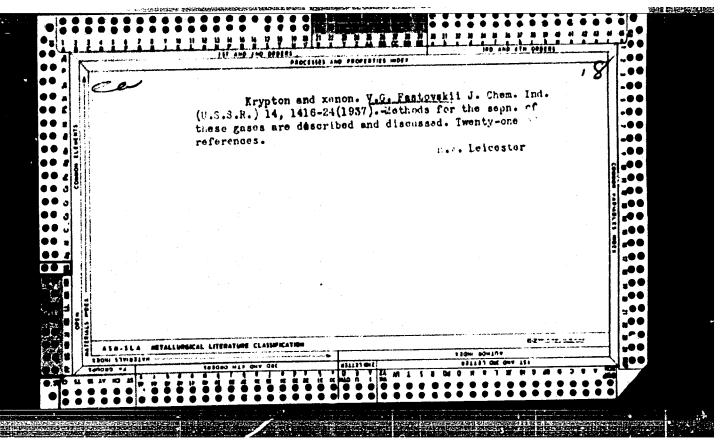
Card 3/3 dela

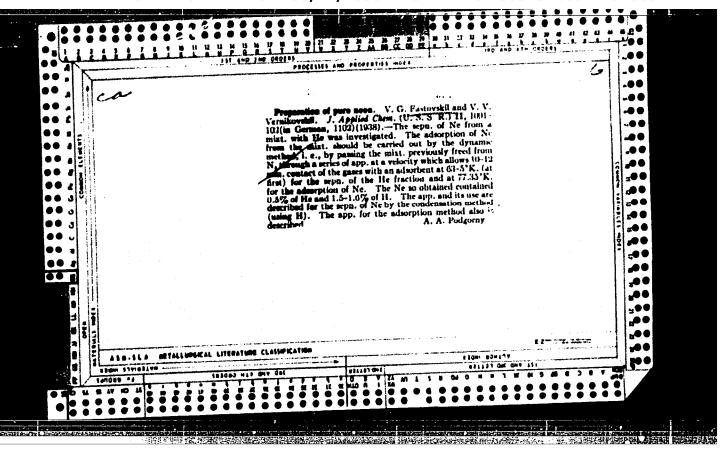
APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7"

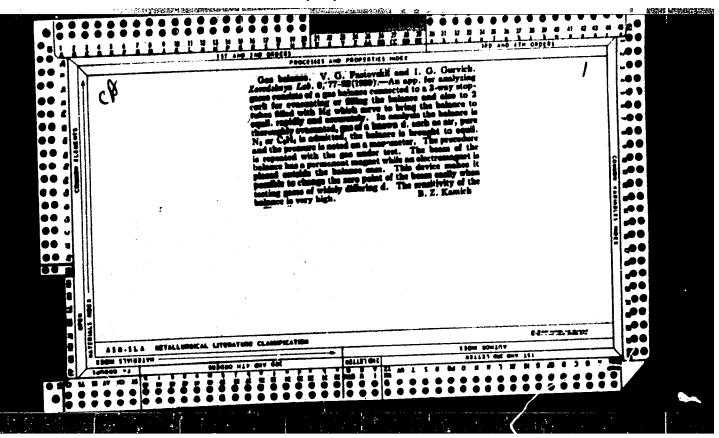


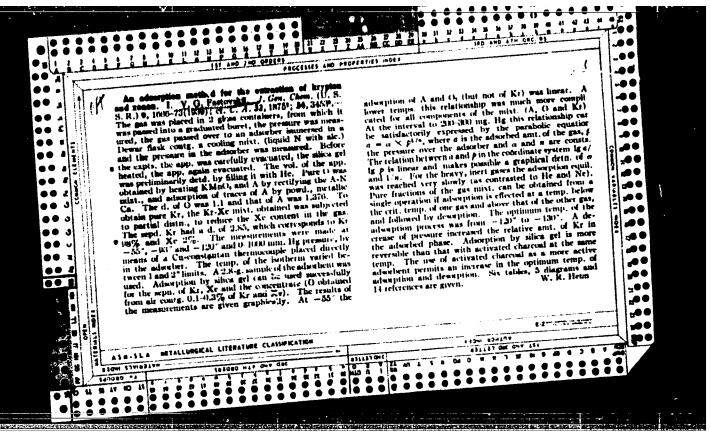


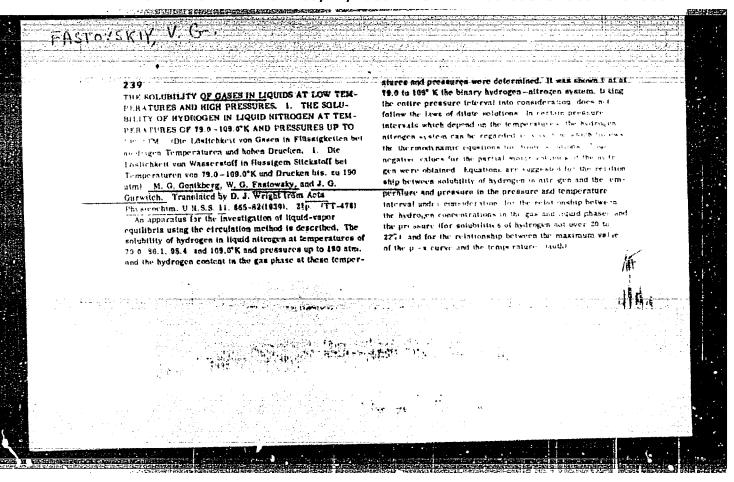


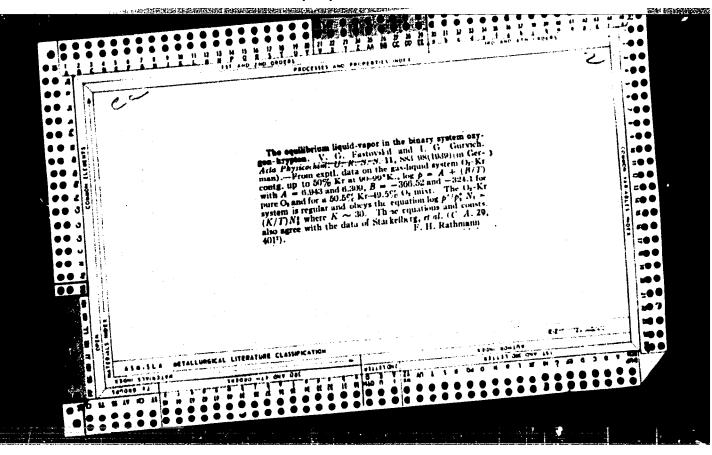


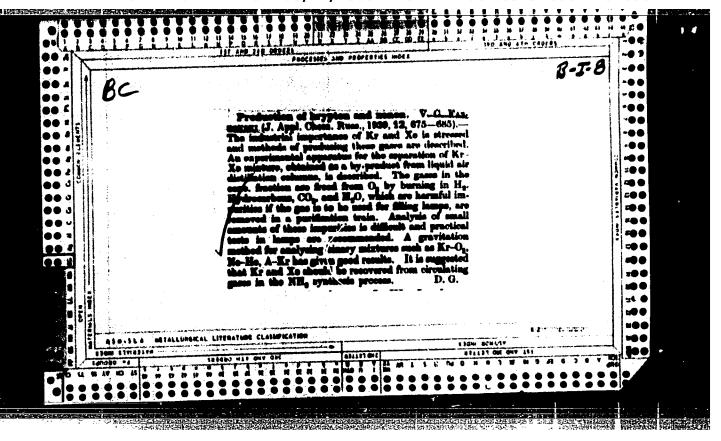












THE PROPERTY OF THE PROPERTY O

600 FASTOVSKIY4V8G8

- FASTOVSKIY, V. G. ; GURVICH, I. G.
- USSR (600)

"Research on the Equilibrium of the Liquid-Vapor of the Binary System Daygen-Krypton, Thur, Fiz. Khim. 13, No. 11, 1939. Moscow, All-Union Electrotechnical Inst. Received 9 July 1939.

9. Report U-1615, 3 Jan. 1952

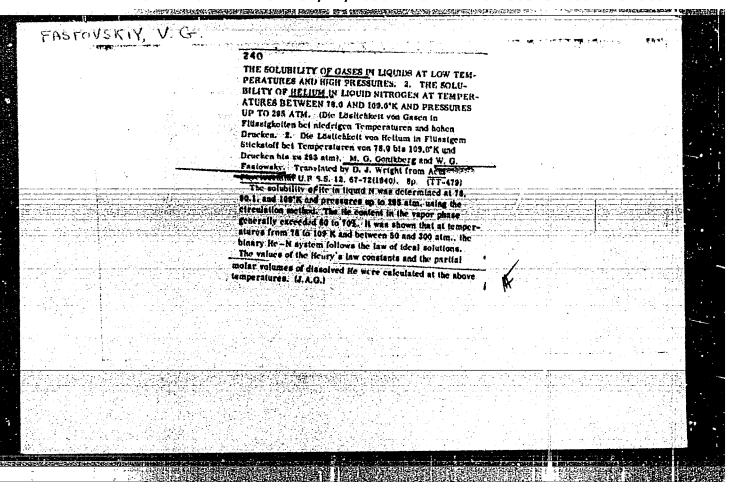
CIA-RDP86-00513R000412510001-7" APPROVED FOR RELEASE: 08/22/2000

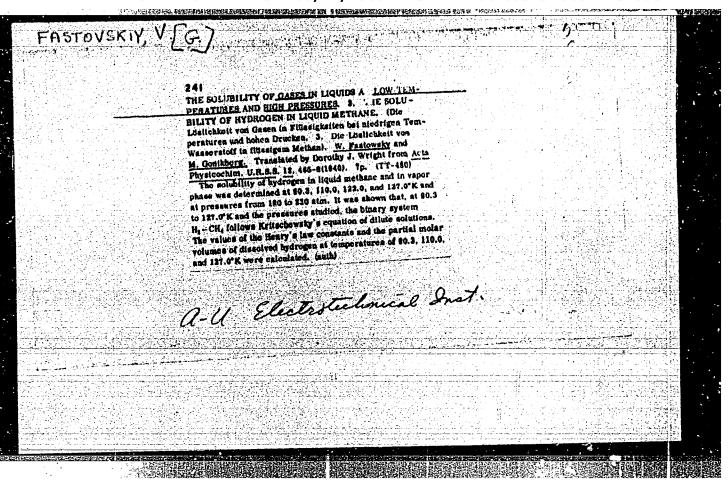
1. GONINGERG, N. G.; FASTOVSKIY, V. G., GURVICH, I. G.

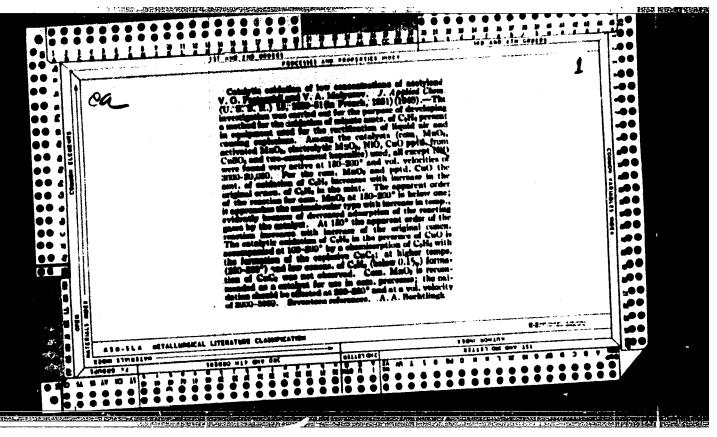
2. UUSR (600)

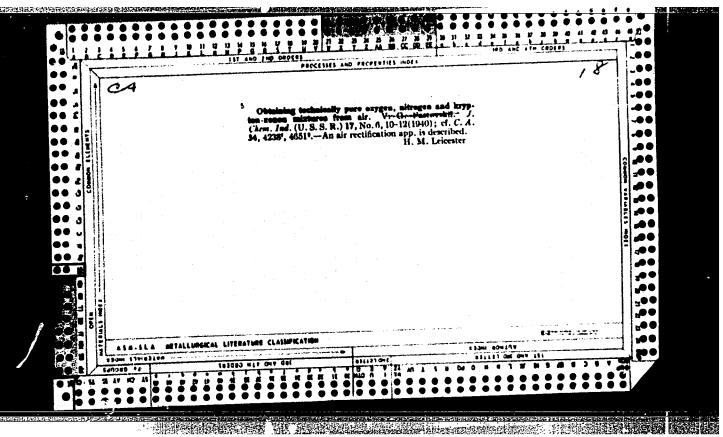
"The Solubility of Gasses in Liquids at Low Tenceratures and Eigh Pressures.
I," Zhur. Fiz. Khim, 13, No. 11, 1939. Hoscow, All-Uni in all abtrotechnical Institute. Received 9 July 1939.

9. Report U-1615, 2 Jan. 1952.









TARIBURAN BURUT HILLIAM BURUT BURUT

GONIKBERG, M. G. : FASTOVSKIY, V. G.

Moscow

All-Union Electrotechnical Institute, (-1940..).

"The Solubility of Gases in Liquids at Low Tumperatures and High Pressures," Part IV: "The Solubility of Helium in Liquid Methane at 90.3 Degrees K and 106.0 Degrees K and Pressures at to 160 Atmospheres."

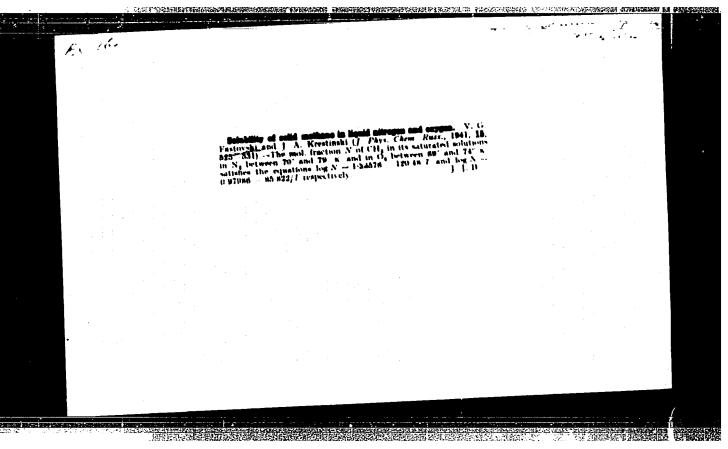
Zhur. Fiz. Khim., Vol. 14, No. 8, 1940.

TO THE PERSONAL PROPERTY OF THE PERSONAL PROPE

FASTOVSKIY, V. G.

Krypton and xenon. Moskva, Gos. energ. izd-vo, 1941. 116 p. (Trudy Vsesoluznogo elektritekhnicheskogo instituta, vyp. no. 47) (51-45683)

QD181.K6F3

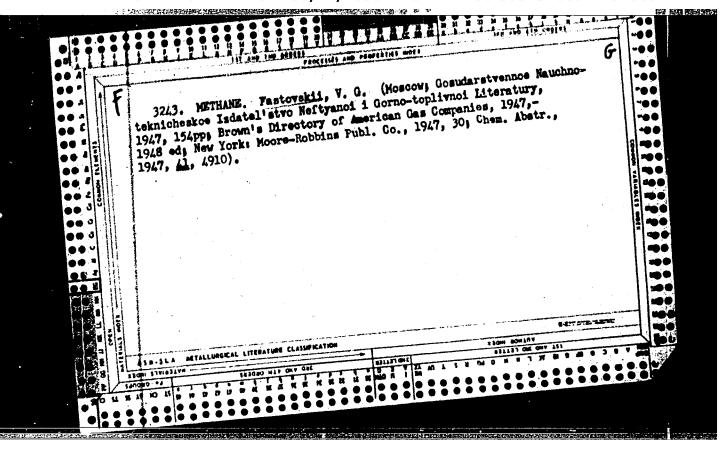


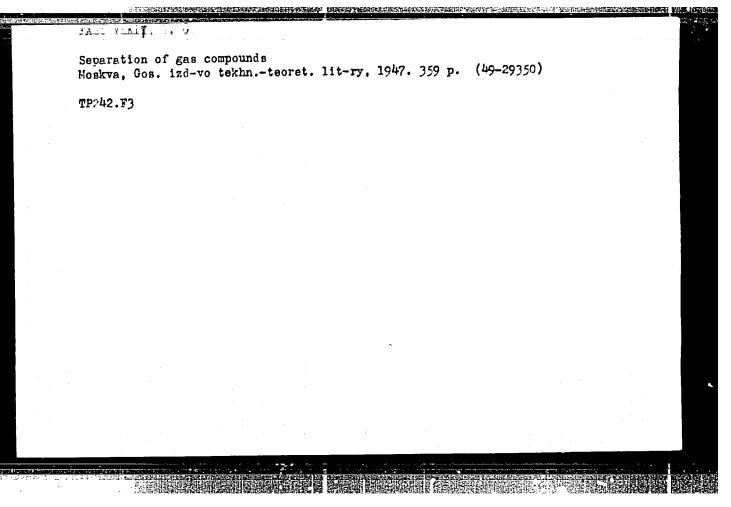
White Solubility of Argon in Liguid Oxygen", Zhur. Fiz. Khim. 16, Nos. 3-h, 19h2.

Moscow, All-dulon Electrical Engineering Institute. Received 2h April 19h1.

Report U-1523, 2h Oct. 1951.

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510001-7





FASTOVSKIY, V. G.

"The Giproazotmash Chart" (Razdeleniye gazovykh smesoy), State Publishing House of Technical and Theoretical Literature, Leningrad and Moscow, 1947

Translation - D 180564, 23 Feb 55